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## Electronic Roulette Wheel

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mentary contact switch using clip leads (S2 can be used temporarily), and the 12-volt battery. When S2 is operated rapidly, RY3 should run through the complete cycle from "0" through "9," and reset back to "0" when the tenth position is reached. If not, stretch the spring a bit more.

All lamp wiring is done on the top deck only. When completed, RY3 should be shock mounted in the gaming table with rubber grommets.

The pulser unit (Fig. 2) is constructed on a piece of perforated Bakelite board and mounted with long bolts and brass spacers.

The wheel (Fig. 3) can be fabricated using an aluminum pie pan as the recessed section of the wheel. A small aluminum "muffin cup," and a scrap tin "skirt" completes the assembly. All metal sections are cemented together with Plastic Aluminum, and the completed assembly was painted in accordance with "gaming table" colors.

The gaming table houses the control panel (Fig. 4) and poker chip components as well as the pulser unit and RY3. Relay RY2 controls the pulse signal unit, turning it on at the start of play, and off after the proper time has elapsed to simulate the slowing down of a roulette wheel. The time delay relay (Fig. 5) controls action of RY2.

The poker chip jacks J2-J11 (Fig. 6) are not mounted directly on the gaming table. Instead, they are mounted on scrap pieces of insulating material (such as plastic or wood) which is bolted to the table. The bases of the jacks protrude through 5/8" holes cut in the gaming table.

The poker chip feature may be eliminated if desired, or more chip positions can be added by paralleling additional jacks with those in the schematic.

The play button is made by bolting an aluminum disc on to the plastic button supplied with push button switch S1.

*Description of Controls:*

S1—Play button; starts automatic cycle when switch S7 is in automatic position
S2—Play lever; same function as S1; enables play to be controlled from panel
S3—Main power switch S4—Lamp power switch
S5—Stepping relay power switch
S6—Single pulse; advance stepping relay one position each time it is operated.
S7—Function switch; in automatic position game operates as described in text. In test position the pulse unit is controlled by the remote switch (S8) on the cable connecting to the small panel jack J1. The time delay relay is removed from operation and the pulser remains "on" continuously (or as controlled via panel jack). Pulse rate can be controlled by potentiometer R3.

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